Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/10/2019 12:05 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123586	-2	2.51	123614	2.56
Blue	F	SSC	125000	122571	-2	4.32	123418	4.30
Blue	E	FITC	16694	16236	-3	4.08	377	22.50
Blue	D	PE	32792	32171	-2	3.46	711	16.54
Blue	B	PerCP-Cy5-5	44451	44039	-1	4.88	1207	23.63
Blue	A	PE-Cy7	33645	33761	0	7.51	618	48.95
Red	C	APC	47008	46245	-2	3.17	1791	14.02
Red	A	APC-Cy7	32298	31509	-3	3.10	785	14.39
Violet	B	V450	8961	8578	-5	4.65	478	15.27
Violet	A	V500	32726	31484	-4	4.39	758	12.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20562	4.86	609	-4	N/A	N/A	Pass
Blue	F	SSC	55626	3.82	580	12	N/A	N/A	Pass
Blue	E	FITC	61	77.66	567	4	0.0152	198	Pass
Blue	D	PE	142	58.08	572	6	0.1321	308	Pass
Blue	B	PerCP-Cy5-5	221	58.91	676	5	0.0070	87	Pass
Blue	A	PE-Cy7	119	124.47	732	6	0.0086	29	Pass
Red	C	APC	407	29.04	613	0	0.0168	40	Pass
Red	A	APC-Cy7	194	32.23	584	-1	0.0044	1006	Pass
Violet	B	V450	70	75.20	485	-1	0.0410	2595	Pass
Violet	A	V500	109	45.73	495	-1	0.0186	1891	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.01	-32.31	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	17.64	13.60 - 20.40	N/A	N/A	29.19	29.82	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13250

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments